

IN THE CLAIMS

Please amend claims 28, 31, 32, 34 and 36; and cancel claims 26, 27, 38 and 39 in accordance with the following listing showing the status of all claims in the application.

1. (Original) An apparatus for dissipating waves in the ocean, comprising:
 - (a) a base anchored to the ocean floor;
 - (b) a tower extending up from the base;
 - (c) a panel having a front edge and a rear edge that is opposite from the front edge, said panel being pivotally attached to the top of the tower, so as to be capable of rocking back and forth; and
 - (d) a buoyant element disposed at the rear edge of the panel,wherein the apparatus is configured such that the rear edge of the panel remains above the surface of the ocean and the front edge remains in the ocean when the panel is in its normal state.
2. (Original) An apparatus according to claim 1, wherein the panel is comprised of a plurality of slats running parallel to the front edge and the rear edge.
3. (Original) An apparatus according to claim 2, wherein the slats are configured so as to direct water passing through them underneath the panel and toward the front edge.
4. (Original) An apparatus according to claim 1, further comprising an electrical generator and a transmission system for transmitting rocking energy of the panel to the electrical generator.
5. (Original) An apparatus according to claim 4, wherein the transmission system includes a flywheel for driving the generator.

6. (Original) An apparatus according to claim 1, wherein the base has variable buoyancy that can be altered by pumping air into the base or venting air out of the base.

7. (Original) An apparatus according to claim 6, wherein the base includes a plurality of cells having open bottoms into which the air may be pumped and from which the air may be vented.

8. (Original) An apparatus according to claim 1, wherein the tower has an adjustable height.

9. (Original) An apparatus according to claim 1, wherein the panel is oriented at an angle of approximately 15-45 degrees from vertical in the normal state.

10. (Original) An apparatus according to claim 1, wherein the front edge of the panel is weighted so as to maintain the panel in the normal state.

11. (Original) An apparatus according to claim 1, further comprising a variable-buoyancy element disposed at the front edge of the panel.

12. (Original) An apparatus according to claim 11, wherein the variable-buoyancy element comprises a hollow chamber with an open bottom.

13. (Original) An apparatus according to claim 1, wherein the buoyant element comprises a hollow chamber.

14. (Original) An apparatus according to claim 13, wherein the hollow chamber has an open bottom.

15. (Original) An apparatus for dissipating waves in the ocean, comprising:

- (a) a base anchored to the ocean floor;
- (b) a tower extending up from the base; and
- (c) a panel having a front edge and a rear edge that is opposite from the front edge,

wherein the panel is pivotally attached to the top of the tower, so as to be capable of rocking back and forth,

wherein the panel is configured such that the rear edge remains above the surface of the ocean and the front edge remains in the ocean when the panel is in its normal state, and

wherein the panel is comprised of a plurality of slats running parallel to the front edge and the rear edge.

16. (Original) An apparatus according to claim 15, wherein the slats are configured so as to direct water passing through them underneath the panel and toward the front edge.

17. (Original) An apparatus according to claim 15, further comprising an electrical generator and a transmission system for transmitting rocking energy of the panel to the electrical generator.

18. (Original) An apparatus according to claim 17, wherein the transmission system includes a flywheel for driving the generator.

19. (Original) An apparatus according to claim 15, wherein the base has variable buoyancy that can be altered by pumping air into the base or venting air out of the base.

20. (Original) An apparatus according to claim 19, wherein the base includes a plurality of cells having open bottoms into which the air may be pumped and from which the air may be vented.

21. (Original) An apparatus according to claim 15, wherein the tower has an adjustable height.

22. (Original) An apparatus according to claim 15, wherein the panel is oriented at an angle of approximately 15-45 degrees from vertical in the normal state.

23. (Original) An apparatus according to claim 15, wherein the front edge of the panel is weighted so as to maintain the panel in the normal state.

24. (Original) An apparatus according to claim 15, further comprising a variable-buoyancy element disposed at the front edge of the panel.

25. (Original) An apparatus according to claim 24, wherein the variable-buoyancy element comprises a hollow chamber with an open bottom.

26. (Canceled)

27. (Canceled)

28. (Currently Amended) An apparatus ~~according to claim 26, for dissipating waves in the ocean, comprising:~~

(a) a base anchored to the ocean floor;

(b) a panel having a front edge and a rear edge that is opposite from the front edge, wherein the front edge of the panel is attached to the base; and

(c) a buoyant element disposed near the rear edge of the panel,

wherein the panel is configured such that the buoyant element maintains the rear edge of the panel above the surface of the ocean while the front edge remains in the ocean when the panel is in its normal state, and

wherein the rear edge of the panel also includes a second buoyant element that is configured as a hollow chamber with an open bottom.

29. (Original) An apparatus according to claim 28, further comprising an air line for transmitting air from the hollow chamber to the base.

30. (Original) An apparatus according to claim 29, wherein the base includes a generator and a flywheel for driving the generator.

31. (Currently Amended) An apparatus ~~according to claim 26, for dissipating waves in the ocean, comprising:~~

- (a) a base anchored to the ocean floor;
- (b) a panel having a front edge and a rear edge that is opposite from the front edge, wherein the front edge of the panel is attached to the base; and
- (c) a buoyant element disposed near the rear edge of the panel,

wherein the panel is configured such that the buoyant element maintains the rear edge of the panel above the surface of the ocean while the front edge remains in the ocean when the panel is in its normal state, and

wherein the buoyant element is provided with an electrically operable valve for flooding the buoyant element and thereby causing it to submerge.

32. (Currently Amended) An apparatus ~~according to claim 26, further comprising~~ for dissipating waves in the ocean, comprising:

- (a) a base anchored to the ocean floor;
- (b) a panel having a front edge and a rear edge that is opposite from the front edge, wherein the front edge of the panel is attached to the base;
- (c) a buoyant element disposed near the rear edge of the panel; and
- (d) a variable-buoyancy element disposed at the front edge of the panel,
wherein the variable-buoyancy element is provided with an electrically operable valve for flooding the variable-buoyancy element,

wherein the panel is configured such that the buoyant element maintains the rear edge of the panel above the surface of the ocean while the front edge remains in the ocean when the panel is in its normal state.

33. (Original) An apparatus according to claim 32, wherein the variable-buoyancy element comprises a hollow chamber with an open bottom.

34. (Currently Amended) An apparatus ~~according to claim 26,~~ for dissipating waves in the ocean, comprising:

- (a) a base anchored to the ocean floor;
- (b) a panel having a front edge and a rear edge that is opposite from the front edge, wherein the front edge of the panel is attached to the base; and
- (c) a buoyant element disposed near the rear edge of the panel,
wherein the panel is configured such that the buoyant element maintains the rear edge of the panel above the surface of the ocean while the front edge remains in the ocean when the panel is in its normal state, and
wherein the panel is comprised of a plurality of slats running parallel to the front edge and the rear edge.

35. (Original) An apparatus according to claim 34, wherein the slats are configured so as to direct water passing through them underneath the panel and toward the front edge.

36. (Currently Amended) An apparatus ~~according to claim 26,~~ for dissipating waves in the ocean, comprising:

- (a) a base anchored to the ocean floor;
- (b) a panel having a front edge and a rear edge that is opposite from the front edge, wherein the front edge of the panel is attached to the base; and
- (c) a buoyant element disposed near the rear edge of the panel,
wherein the panel is configured such that the buoyant element maintains the rear edge of the panel above the surface of the ocean while the front edge remains in the ocean when the panel is in its normal state, and

wherein the base has variable buoyancy that can be altered by pumping air into the base or venting air out of the base.

37. (Original) An apparatus according to claim 36, wherein the base includes a plurality of cells having open bottoms into which the air may be pumped and from which the air may be vented

38. (Canceled)

39. (Canceled)